TRANSMITTAL SLIP	DATE
TO: Director, ODP	2 DEC 1963

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REMARKS:

FROM:

RCOM NO.	BUILDING	EXTENSION

Central Intelligence Agency
Washington, D.C. 20505

1 December 1983

Planning Staff

NOTE FOR: Executive Director
Executive Assistant/Executive Director
ISB Members

STAT

C/IHC/ICS
P&PS/ICS

STAT

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SUBJECT: AI Symposium

Attached is the official schedule of events

for the AI Symposium to be held 6, 7, & 8 December.

It is hoped that you will be able to attend.

STAT

Executive Secretary, ISB

ARTIFICIAL INTELLIGENCE SYMPOSIUM

"INTELLIGENCE APPLICATIONS OF AI"

Sponsored By

U.S. INTELLIGENCE COMMUNITY

December 6, 7, & 8, 1983

MAIN AUDITORIUM
CIA HEADQUARTERS
LANGLEY, VA.

By Invitation Only

Symposium Co-ordinator: SMART SYSTEMS TECHNOLOGY, Inc.
Specializing in Artificial Intelligence Education and System Implementation

1

Program - First Day, Morning Session, Tuesday, December 6, 1983

STAT

Symposium Chairman:

Executive Secretary, AI Steering Group
Office of Research and Development
Central Intelligence Agency

8:30	Dr. Philip K. Eckman Chairman, AI Steering Group Office of Research and Development Central Intelligence Agency	Symposium Objectives
8:45	Dr. Richard D. DeLauer Under Secretary of Defense for Research and Engineering	AI and Defense
9:00	Dr. Patrick H. Winston Professor of Computer Sciences Director, Artificial Intelligence Laboratories MIT	Overview of Artificial Intelligence Research
10:00	Coffee Break	
10:15	Dr. Patrick H. Winston, MIT	Overview of AI Applications
11:00	Industry Panel: Xerox, Apollo, Symbolics, DEC, E-Systems, LMI	Descriptions and Schedule of AI Demonstrations

Program Note: Several computer manufacturers have made AI
processors available during the three days of this conference
for demonstrations of AI tutorial programs and working AI
systems. These will be available during the mid-day breaks
and following the afternoon sessions in the Tunnel adjacent
to the Auditorium. Schedules of these demos are posted
in the Auditorium Lobby. Additional demos may be scheduled
by arrangement with the manufacturers' representatives.

12:00   Lunch Break - System Demos in Auditorium Tunnel

2

Program - First Day, Afternoon Session, Tuesday, December 6, 1983

Session Moderator: Lt. Col. James T. Jones
                    Vice Dean
                    Defense Intelligence College

1:30	Dr. Rodney Brooks Assistant Professor Computer Science Department Stanford University	Overview of AI Applications in Computer Vision and Image Understanding
2:30	Coffee Break	
2:45	Dr. Raj Reddy Professor of Computer Science Carnegie-Mellon University Director, The Robotics Institute	Overview of AI Applica- tions in Robotics and Speech Understanding
3:45	Panelists: Dr. Patrick H. Winston, MIT Dr. Raj Reddy, CMU Dr. Rodney Brooks, Stanford	Current Trends in AI Research
4:15	End First Day Program - System Demos in Auditorium Tunnel	

3

Program - Second Day, Morning Session, Wednesday, December 7, 1983

Session Moderator: Commander Paul E. Tilson, Jr.
                    U. S. Navy

THIS SESSION WILL BE CLASSIFIED SECRET

8:30	Mr. David Y. McManis National Intelligence Officer/ Warning Central Intelligence Agency	Intelligence Requirements
9:15	Dr. Gian-Carlo Rota Director's Office Fellow Los Alamos National Laboratories Professor of Applied Mathematics and Phylosophy MIT	Observations and Specu- lations on the Effect of the Computer on Scientists
10:00	Coffee Break	
10:15	Dr. James Slagle Naval Research Laboratory	"BATTLE" Resource Alloca- tion Project: Expert Advisor for Weapons Allo- cation.
10:45	Dr. Gerald A. Wilson Senior Computer Scientist Advanced Information and Decision Systems	Computer-Based Assistant for Science and Technology Analysis
11:30	Mr. Mark Williams Senior Staff Engineer ESL Inc.	AI in Signal Processing
12:00	Lunch Break - System Demos in Auditorium Tunnel	

4

Program - Second Day, Afternoon Session, Wednesday, December 7, 1983

STAT

Session Moderator:

Image Research Scientist
Office of Research and Development
Central Intelligence Agency

THIS SESSION WILL BE CLASSIFIED SECRET

Time	Speaker	Topic
1:30	Dr. Donald Close Program Manager Hughes Aircraft Company	Image Understanding Project
2:00	Dr. Bobby Hunt Chief Scientist Science Applications, Inc.	AI Applications in Synthetic Aperture Radar Image Interpretation
2:30	Coffee Break	
2:45	Mr. John C. Kelly Senior Staff Engineer TRW Defense Systems Group	An Operational Artificial Field Engineer for Tuning A Signal Sorter--The User's Viewpoint

STAT

Time	Speaker	Topic
3:30	 EH/R&AD/DPG/NPIC Central Intelligence Agency	AI Applications in Image Analysis

4:00   End Second Day Program - System Demos in Auditorium Tunnel

Program - Third Day, Morning Session, Thursday, December 8, 1983

Session Moderator:

Chief Techniques Staff
National Security Agency

8:30	Dr. Robert Kahn Director, Information Processing Techniques Office - DARPA	DARPA Strategic Computing Program
9:15	Dr. John A. Robinson Professor of Computer and Information Science Syracuse University	Japan's Fifth-Generation Computing Project: Objec- tives, Status and Prospects
10:00	Mr. John N. McMahon Deputy Director of Central Intelligence Central Intelligence Agency	AI and Intelligence

10:15   Coffee Break

10:30   Panel: What are the Problems and Requirements for Starting
                and Maintaining a Government AI Facility?

Panelists:

Dr. George Lukes, Physical Scientist, Research Institute
   US Army Engineer Topographic Laboratories
Dr. James S. Albus, Chief, Industrial Systems Division
   National Bureau of Standards
Dr. David L. Gifford, Image Research Scientist
   Office of Research and' Development
Dr. Jude E. Franklin, Manager, Navy Center for Applied
   Research in Artificial Intelligence
Dr. Northrup Fowler, III, Computer Scientist,
   Griffiss Air Force Base
Mr. David Brown, Assistant Director, Advanced Computer Systems
   Department, SRI International

12:00   Lunch Break - System Demos in Auditorium Tunnel

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Program - Third Day Afternoon Session, Thursday, December 8, 1983

STAT   Session Moderator:

Chief - Development & Implementation Division
DIA

1:30   Industry Panel : Why is Private Industry Investing in AI?

Panelists:
Dr. Charles Herzfeld, Vice President and Director of Research
    and Technology, ITT Corporation
Dr. Edward C. Taylor,, Director of Requirement Analysis
    TRW, Defense Systems Group
Mr. Dennis E. O'Connor, Senior Group Manager for Intelligent
    Systems Technologies Group, Digital Equipment Corporation
Dr. Carl Smith, Staff Computer Scientist, Shell Development
    Company
Dr. Floyd Hollister, Senior Member, Technical Staff, Computer
    Science Laboratory, Central Research Laboratories,
    Texas Instruments, Inc.
Dr. Carl Love, Senior Consultant, Corporate Planning,
    Westinghouse Electric Corporation
Dr. Dan Schutzer, Vice President, Citibank

2:30   Coffee Break

2:45   Industry Panel Continues

STAT   3:30   Future Directions for the
           Executive Secretary, AI Steering   AI Steering Group
             Group
           Office of Research and Development
           Central Intelligence Agency

4:00   End Third Day Program